

### **ABSTRACT OF THE DISCLOSURE**

The present invention relates to a method for resolving a collision in a communication system using medium access control based on contention. The method of the present invention enables management and control of a contention window size of each mini slot and thus all the terminals may have an equal opportunity to access each mini slot. Moreover, when two or more terminals have simultaneously attempted to access any one mini slot and thus collision has occurred in the mini slot, the method of the present invention restricts the access of the mini slot to the terminal or terminals that had experienced collision, and then permits an access attempt of another terminal after all the terminals which had experienced collision succeed in accessing a mini slot.